WS5000 Series Endura® Workstation

WITH WS5000 ADVANCED SYSTEM SOFTWARE

Product Features

- Provides Full Access to Operations and Administration Through User-Friendly and Highly Intuitive Graphical User Interface
- Displays up to 16 Video Streams at 4CIF Resolution, 30/25 ips per Streams, per Workspace. Ability to Add Additional Workspaces as Needed.
- View Live and Playback Video Simultaneously on the Same Monitor
- EnduraView™ Technology Optimizes Video Display in Live, Multiscreen Configurations While Minimizing the Network Impact
- Dual Monitor Output Support
- Customizable for Small-to-Enterprise Systems
- Plug-and-Play Installation and Detection of Cameras and Devices
- Powerful Script Managing and Programming Interface
- Synchronized Playback of 4 Cameras
- Digital Zoom in Live or Playback Video

- On-Screen Pan/Tilt/Zoom (PTZ) and Device Property Controls
- Advanced Search Capabilities Including Search for Motion, Alarm, or Event Video
- Event Logging and Alarm Interface Workspace
- Customizable User and Device Permissions
- User-Specific Screen Configurations Including Choice of Language
- Exports Video and Still Images in Multiple Formats, Including Pelco Video File, QuickTime MPEG-4, PNG, BMP, and JPG

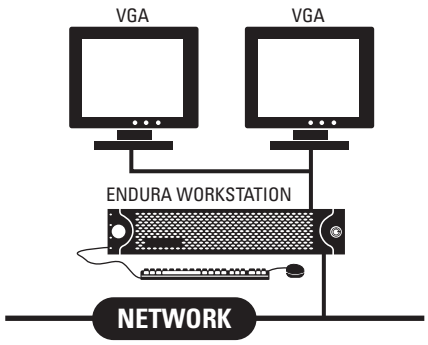
The **Endura® workstation** is a high-end personal computer running Windows® XP Professional that is optimized for the **WS5000** software. The **Endura workstation** can decode and display up to 16 video streams simultaneously and can process up to 30/25 (NTSC/PAL) images at 4CIF resolution per second, per stream. The **Endura workstation** includes the **WS5000** advanced system software package.

The **WS5000** advanced system software provides access to all operation and configuration features of the system in one unified, user-friendly interface. The interface uses drag-and-drop operations, shortcuts menus, and tooltips to enable the most direct, intuitive interactions.

This interface allows users to view live video; control cameras; record video; and search, play back, and export recorded video. Video display options include a single image (1 x 1), four images (2 x 2), six images (1 large + 5 small), nine images (3 x 3), ten images (2 large + 8 small), thirteen images (1 large + 12 small), and sixteen images (4 x 4). When multiple images are displayed, the patent-pending EnduraView™ technology automatically provides the best video display frame rate for the selected cameras, while minimizing the network burden required to transport multiple high resolution streams. Cameras can be assigned to a user-defined location on a camera list. These lists can then be used in the display, sorting, and selection of individual devices; a feature especially valuable in larger systems.

Users with the proper authority can perform administrative functions, such as configuring devices, setting up users, adjusting network settings, and creating recording schedules. Permissions to access these functions and all other system services can be configured to a fine level of detail.

The **WS5000** advanced system software offers a powerful scripting interface that flexibly and easily automates many system functions in almost any combination. An enhanced search interface enables searches across multiple devices, time ranges, and event types. System logs can also be searched, printed, and exported. Video clips and still images can be easily exported to USB memory or DVD± RW/CD±RW.



IMPORTANT NOTE. PLEASE READ.
The network implementation is shown as a general representation only and is not intended to show a detailed network topology. Your actual network will differ, requiring changes or perhaps additional network equipment to accommodate the system as illustrated. Please contact your local Pelco Representative to discuss your specific requirements.

Endura distributed, network-based products are available only to certified dealers/integrators. Please contact your local sales representative for details on certification applications and requirements. Additional information on Endura products and certifications may be found at http://www.pelco.com/endura.

U.S. Patent #D527,390 S

International Standards Organization Registered Firm; ISO 9001 Quality System

TECHNICAL SPECIFICATIONS

MODEL

WS5060	System console with standard keyboard and mouse; includes a single-license advanced software package (WS5000-1)

Supplied Accessories

3 power cables (1 USA standard, 1 European standard, 1 UK standard)
Pelco keyboard
Pelco mouse
1 rack-mounting kit (for mounting in 2 RU rack)
1 resource CD
1 recovery DVD
1 Nero® StartSmart CD
1 Microsoft® Windows® XP Professional CD

SYSTEM

Processor	Intel® Xeon® X3220
Internal Memory	2 GB RAM
Operating System	Windows XP Professional Service Pack 2 or higher
User Interface	Graphical user interface, WS5000 advanced system software
Video System	PCI-E x16 graphics card with 256 MB video RAM (nonshared memory), 1280 x 1024 display resolution, and DirectX® 8.1 application programming interface; true color (32-bit), 2 DVI video outputs

VIDEO

Video Standards	XVGA (1280 x 1024) 60 Hz capability for NTSC 75 Hz capability for PAL	
Video Decoding	MPEG-4	
Video Resolutions	NTSC	PAL
4CIF	704 x 480	704 x 576
2CIF	704 x 240	704 x 288
CIF	352 x 240	352 x 288
QCIF	176 x 120	176 x 144
Video Display Speed	Up to 480/400 ips (NTSC/PAL) per workspace	
Video Display Modes	Single image, 2 x 2, 1 + 5, 3 x 3, 1 + 12, 4 x 4	
Video Outputs	2 DVI outputs (DVI-to-VGA adapters supplied)	

AUDIO

Audio Decoding	G.711 speech codec
Audio Bit Rate	64 kbps
Audio Levels	Input: electret microphone Output: up to 3 Vp-p, adjustable, minimum load of 8 ohms
Audio Connectors	3, 3.5 mm stereo jacks
Connector Tip	Signal left (input and output)
Connector Ring	Signal right (input and output)
Connector Sleeve	Common
Audio Inputs	Microphone and line in
Audio Outputs	Speaker or line out

PTZ CONTROL

PTZ Interface	On-screen

NETWORK

Interface	Gigabit Ethernet RJ-45 port (1000Base-T)
Security	2 modes: secure mode (device authentication) and unsecure mode

AUXILIARY INTERFACES

USB 2.0	7 USB 2.0 ports (1 front, 6 rear)

FRONT PANEL

DVD±RW/CD-RW Drive	CD read/write speed: 24X CD rewrite speed: 24X DVD read/write speed: 8X DVD dual layer read/write speed: 6X/4X
Buttons	Power, configuration/reset
Indicators	
Power	Blue if power
HDD Activity	Yellow when activity
Network Activity	Green when activity
Network Status	Green, amber, red
Unit Status	Green, amber, red

POWER

Power Input	100-240 VAC, 50/60 Hz, autoranging
Power Supply	Internal
Power Consumption	Operating Maximum
100 VAC	157 W, 536 BTU/H
115 VAC	163 W, 557 BTU/H
220 VAC	159 W, 543 BTU/H
Cable Type	1 USA standard (117 VAC, 3 prongs, 6 ft or 1.8 m) 1 European standard (220 VAC, 3 prongs, molded connector, 6 ft or 1.8 m) 1 UK standard (250 VAC, 3 prongs, molded connector, 6 ft or 1.8 m)

ENVIRONMENTAL

Operating Temperature Range	50° to 95°F (10° to 35°C) at unit air intake (front of unit)
Storage Temperature Range	-40° to 149°F (-40° to 65°C)
Operating Humidity	20% to 80%, noncondensing
Maximum Humidity Gradient	10% per hour
Operating Altitude	-50 ft to 10,000 ft (-15.24 m to 3,048 m)
Operating Vibration	0.25 G at 3 Hz to 200 Hz at a sweep rate of 0.5 octave/minute

NOTE: The temperature at the unit air intake can be significantly higher than room temperature. Temperature is affected by rack configuration, floor layout, air conditioning strategy, and other issues. To prevent performance failure and unit damage, make sure the temperature at the unit is continuously within the operating temperature range.

PHYSICAL

Construction	Steel cabinet
Finish	
Front panel	Gray metallic with black end caps
Chassis	Black matte finish
Dimensions	17.0" D x 17.0" W x 3.5" H (43.1 x 43.1 x 8.9 cm) 2 RU per unit, 1 RU between units
Mounting	Desktop (feet) or rack
Unit Weight	28.8 lb (13.06 kg)
Shipping Weight	39 lb (17.69 kg)

CERTIFICATIONS

- CE, Class A
- FCC, Class A
- UL / cUL Listed
- C-Tick
- S-Mark for Argentina
- GOST

NOTICE: *Judgment as to the suitability of the products for users' purposes is solely the users' responsibility. Users should refer to the Operation manuals for cautionary statements regarding user selected options and how they might affect video quality. Users shall determine the suitability of the products for their own intended application, picture rate and picture quality. In the event users intend to use the video for evidentiary purposes in a judicial proceeding or otherwise, users should consult with their attorney regarding any particular requirements for such use.*

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